# LEsSON Experimental Probability of Simple Events 

## EXPLORE ACTIVITY

## TEKS 7.6.I

## Finding Experimental Probability

You can toss a paper cup to demonstrate experimental probability.
A Consider tossing a paper cup. Fill in the Outcome column of the table with the three different ways the cup could land.

B Toss a paper cup twenty times. Record your observations in the table.

## Reflect

1. Which outcome do you think is most likely?
$\qquad$
2. Describe the three outcomes using the words likely and unlikely.
3. Use the number of times each event occurred to calculate the probability of each event.
4. What do you think would happen if you performed more trials?
$\qquad$
$\qquad$
$\qquad$
5. What is the sum of the three probabilities in the table?

| Outcome | Experimental Probability |
| :--- | :---: |
| Open-end up | $\frac{\text { open-end up }}{20}=\frac{\square}{20}$ |
| Open-end down | $\frac{\text { open-end down }}{20}=\frac{\square}{20}$ |
| On its side | $\frac{\text { on its side }}{20}=\frac{\square}{20}$ |

